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9/26/01
Gordon

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : SCHEMMANN et al.
Serial No. : 09/782,354
Filed : February 12, 2001
For : METHOD AND APPARATUS FOR OPTICAL DATA
TRANSMISSION AT HIGH DATA RATES WITH
ENHANCED CAPACITY USING POLARIZATION
MULTIPLEXING

Art Unit : 2633

Examiner : To Be Assigned

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KENYON & KENYON

Assistant Commissioner
for Patents
Washington, D.C. 20231

**PRELIMINARY AMENDMENT AND
37 C.F.R. § 1.125 SUBSTITUTE SPECIFICATION STATEMENT**

SIR:

Please amend the above-identified application before examination, as set forth below.

In The Specification:

At the paragraph beginning on page 5, line 28, delete:

"FIG. 9 shows a flow chart of the method of increasing the data capacity of optical
transmission according to an embodiment of the present invention."

Please replace the paragraph on page 6, line 8, with the following rewritten
paragraph:

--Optical carrier generator 110 generates an optical carrier signal having two side